

10/538723

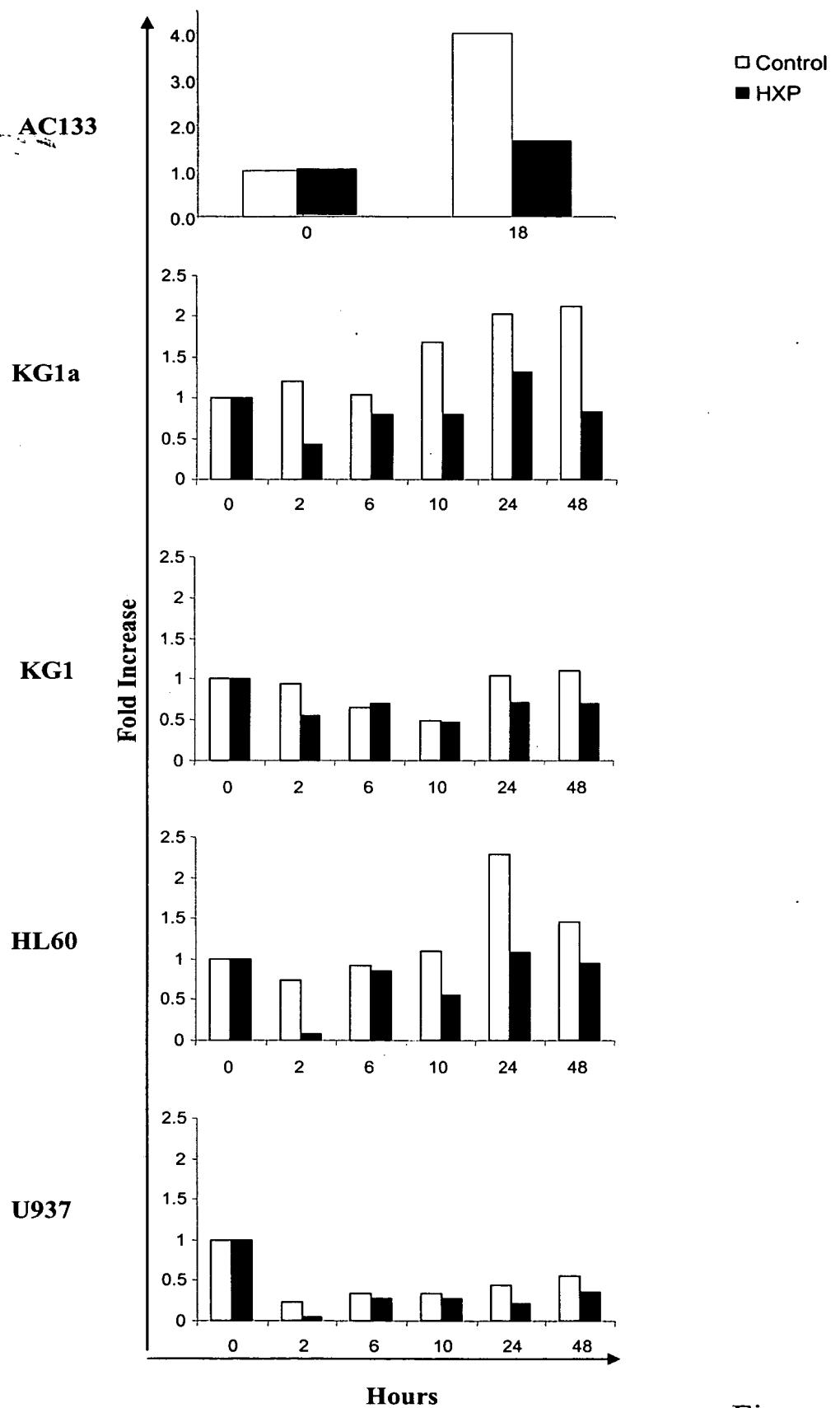


Figure 1

10/538723

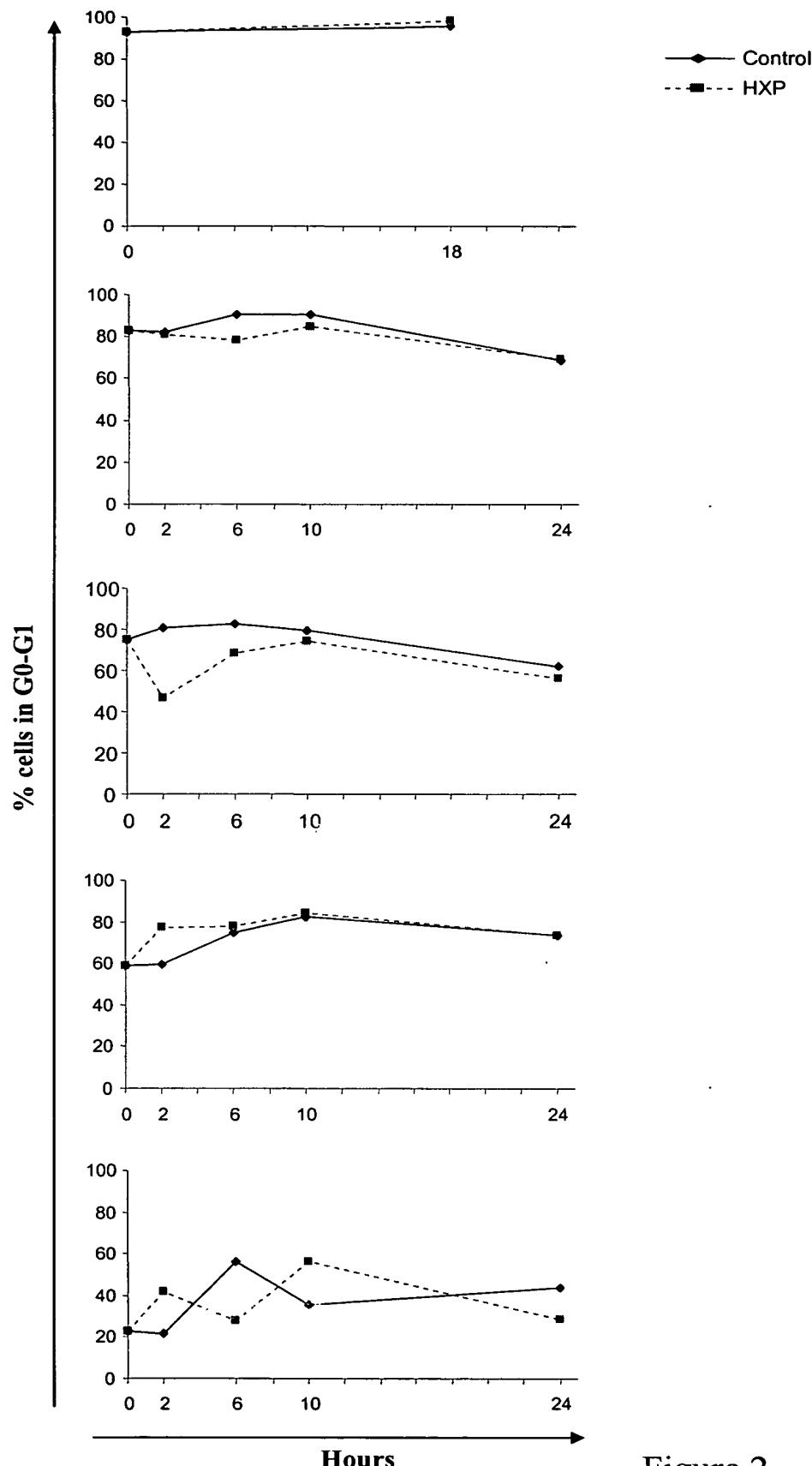


Figure 2

10/538723

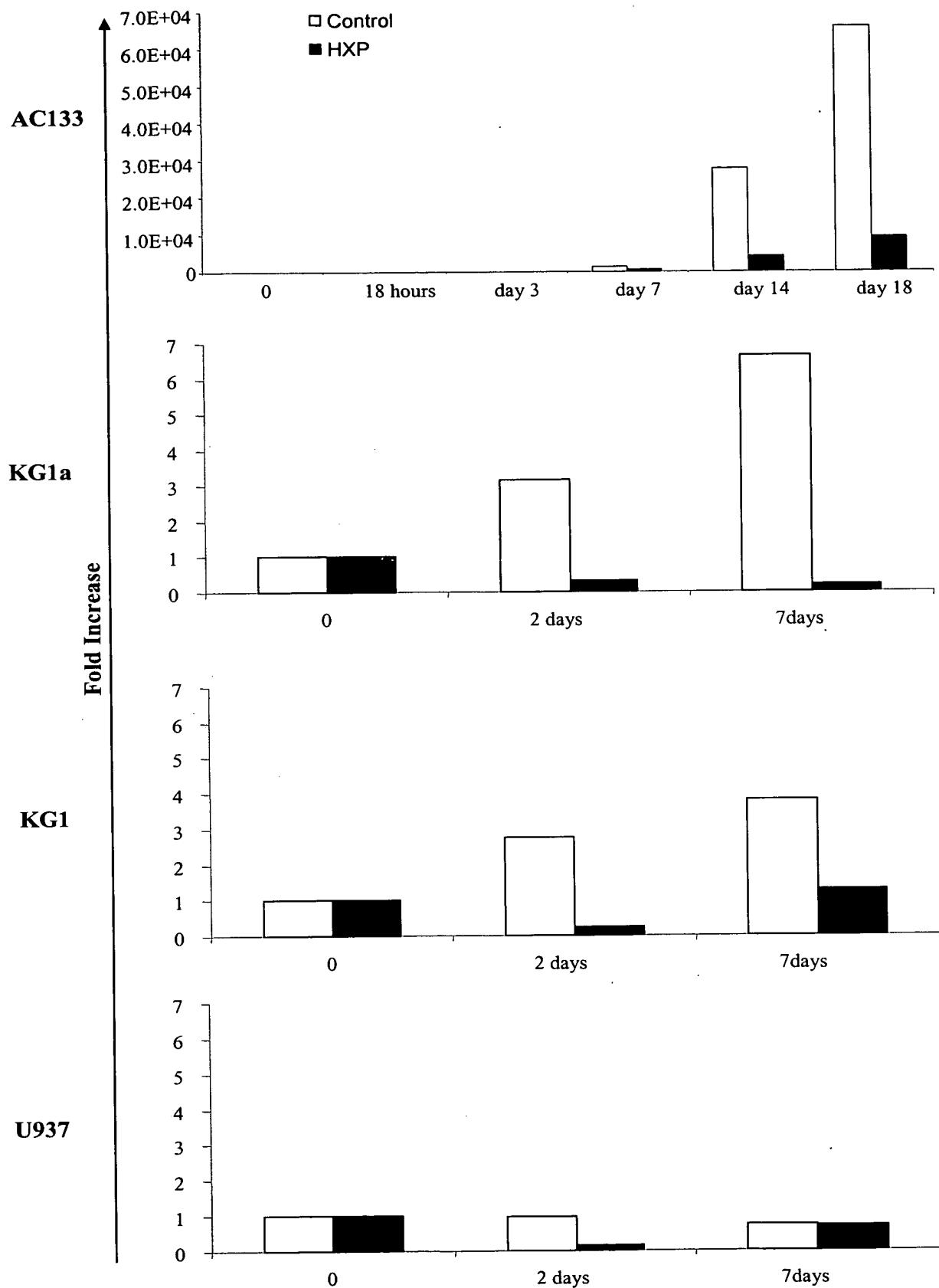


Figure 3

101538723

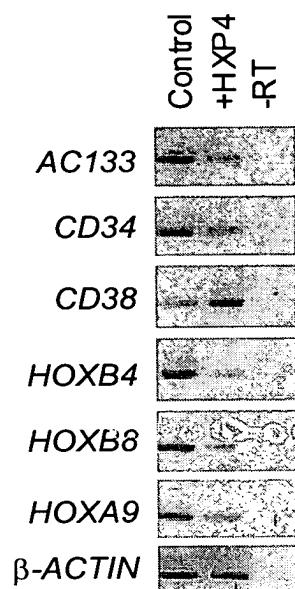


Figure 4

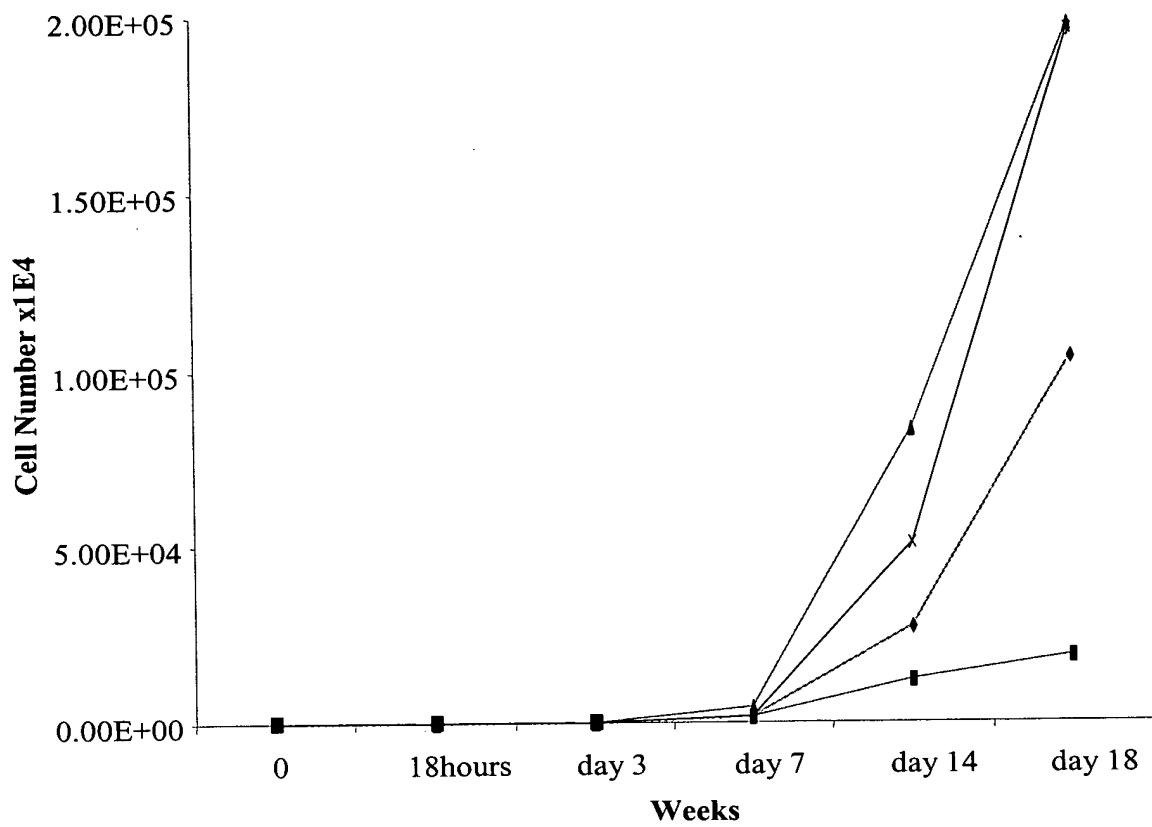


Figure 5

10/538723

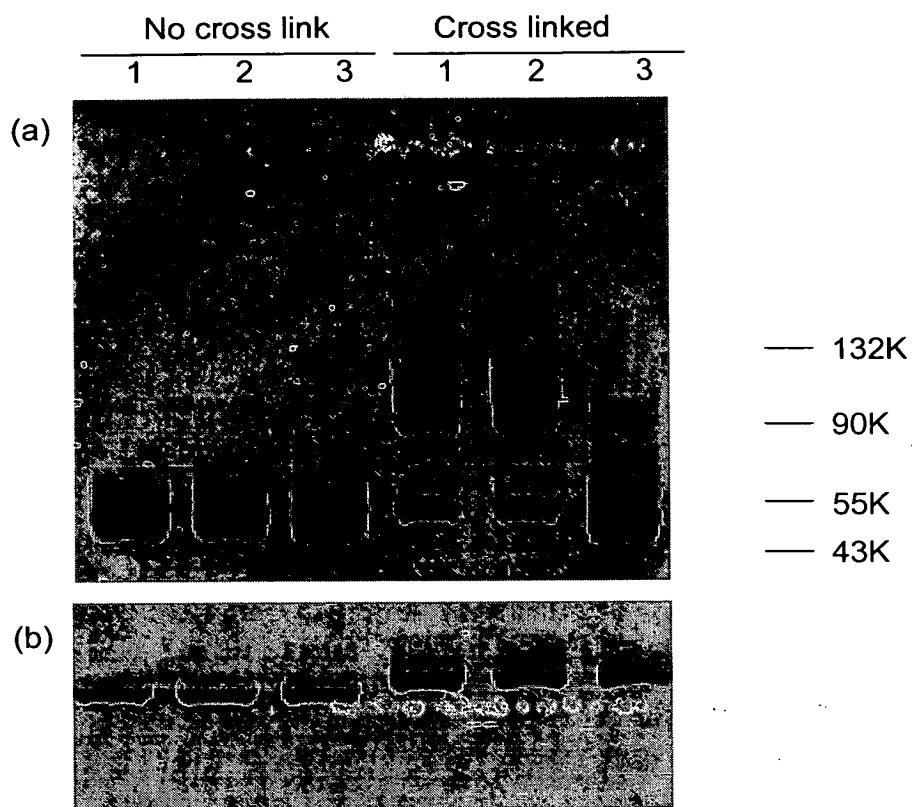


Figure 6

10/538723

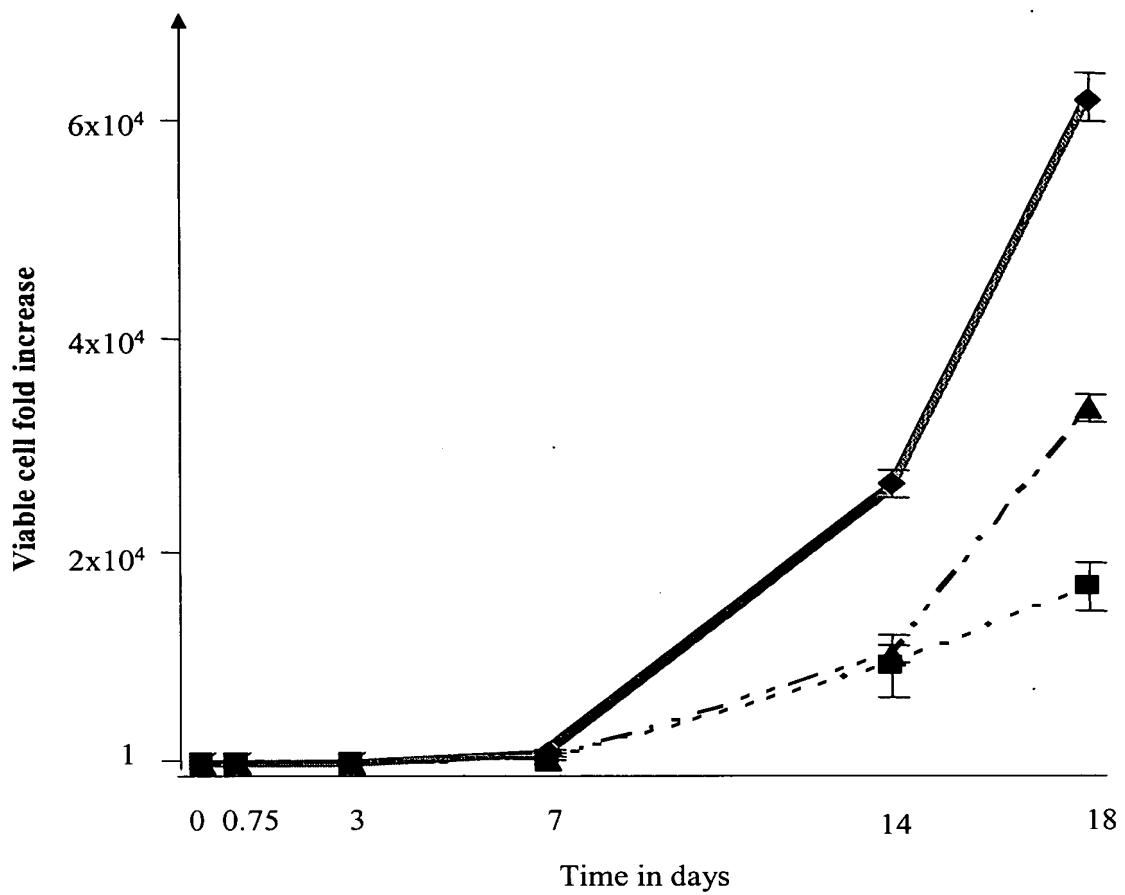


Figure 7a

10/538723

	1	2	3	4
BETA ACTIN	++	++	++	++
CD133	++	++	-	++
CD38	+	-	+	-
HOXB4	+	+	-	+
HOXB8	+	+	-	+
HOXA9	+	+	-	+
TERT	++	++	+	+
CTCF	++	+	-	+
EIF4E	-	++	+	++
RAB27A	+	++	+	++
BAK2	++	++	-	+
CDC25	-	++	+	++
CDKN2	+	++	+	++
MAPK	+	++	-	+
P53	-	+	-	+
RAS-LKE	++	++	+	++
MMP1	++	+	-	++
MMP19	-	++	+	++
NRAS	+	++	-	++

Figure 7b

101538723

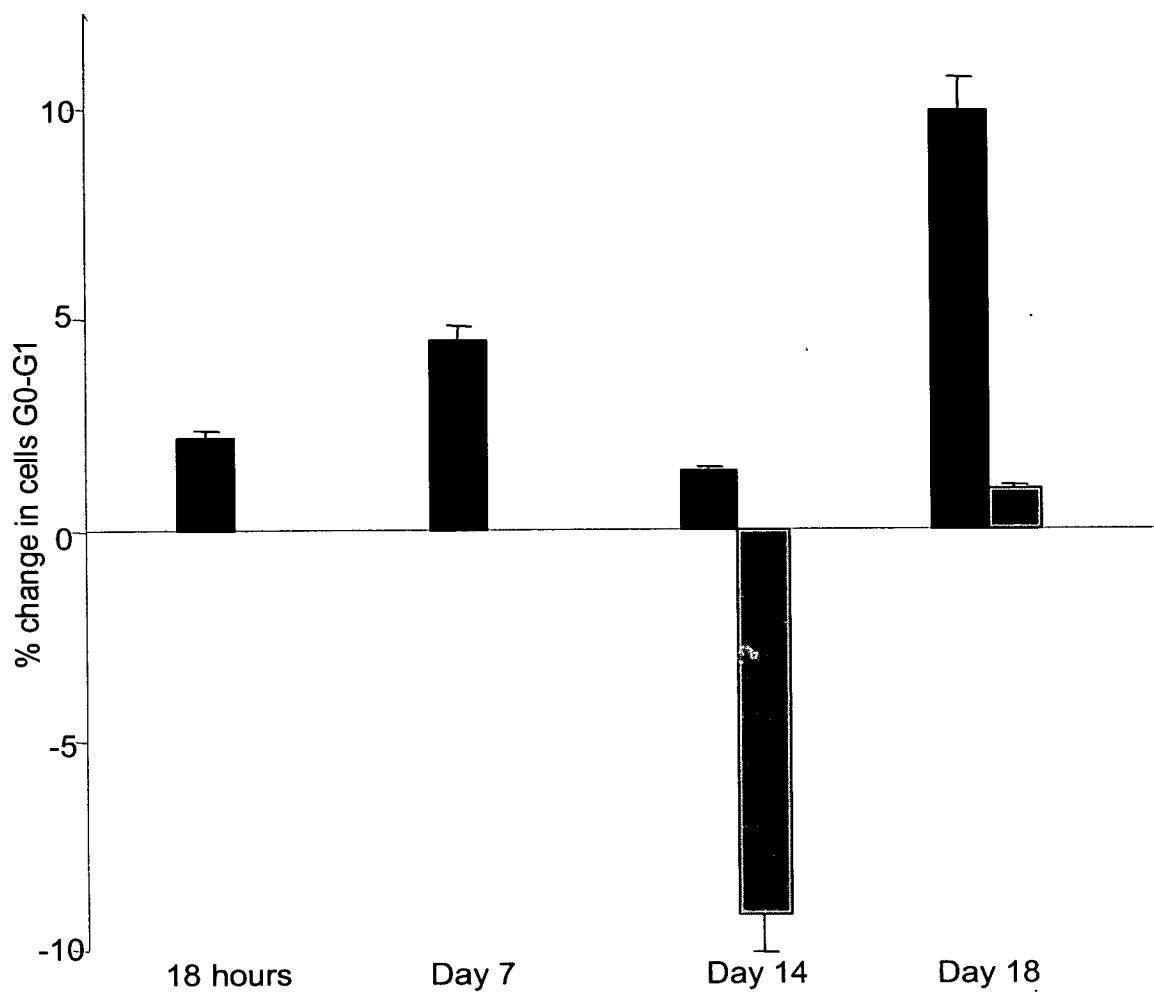


Figure 8

101538723

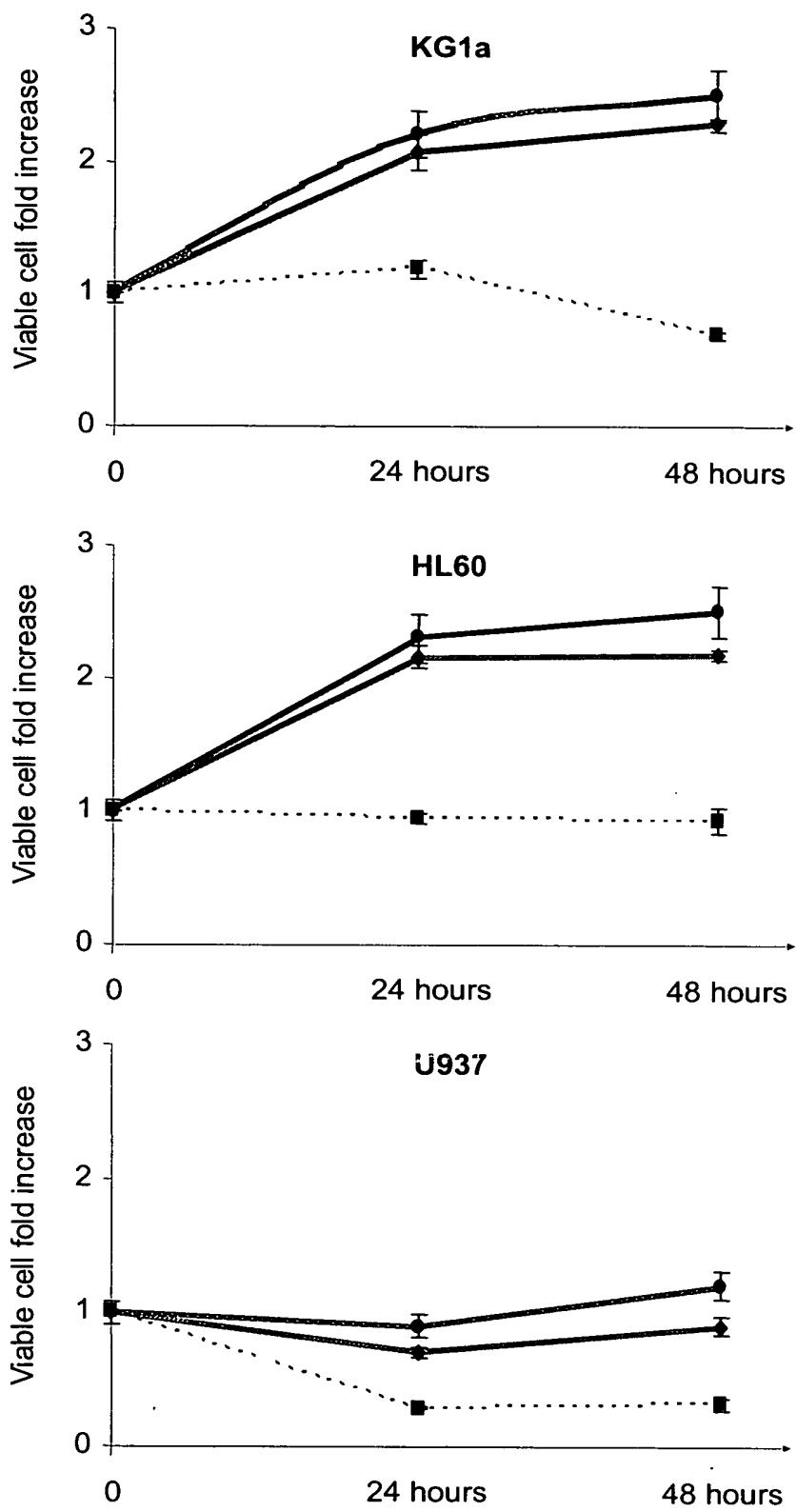


Figure 9a

10/538723

	KG1a		U937		HL60	
	C	H	C	H	C	H
BETA ACTIN	+	+	+	+	+	+
CD133	++	+	-	-	-	-
CD34	++	+	-	-	-	-
CD38	+	++	+	++	+	++
HOXB4	++	+	+	++	+	+
HOXB8	++	+	+	+	+	+
HOXA9	++	+	++	+	++	+
TERT	+	+	+	+	+	+
CTCF	++	++	++	++	++	++
EIF4E	+	+	+	+	+	+
RAB27A	+	+	+	+	+	+
BAK2	+	+	+	+	+	+
CDC25	-	-	++	+	+	+
CDKN2	++	++	++	++	++	++
MAPK	+	+	+	+	+	+
P53	+	+	+	+	+	+
RAS-LKE	++	++	++	++	++	++
MMP1	+	-	+	-	-	-
MMP19	++	+	-	-	-	-
NRAS	++	-	++	-	++	-

Figure 9b

10/538723

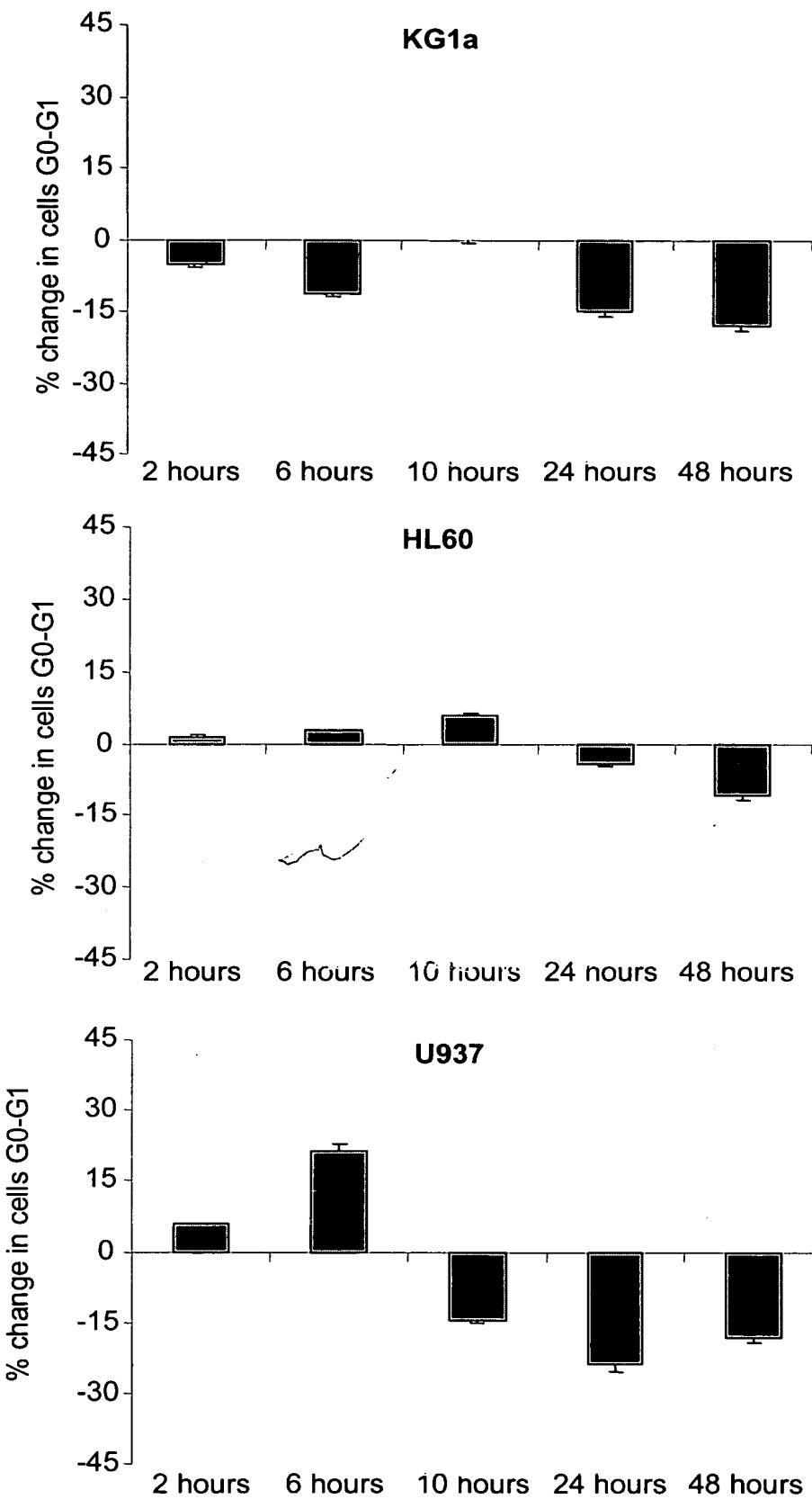
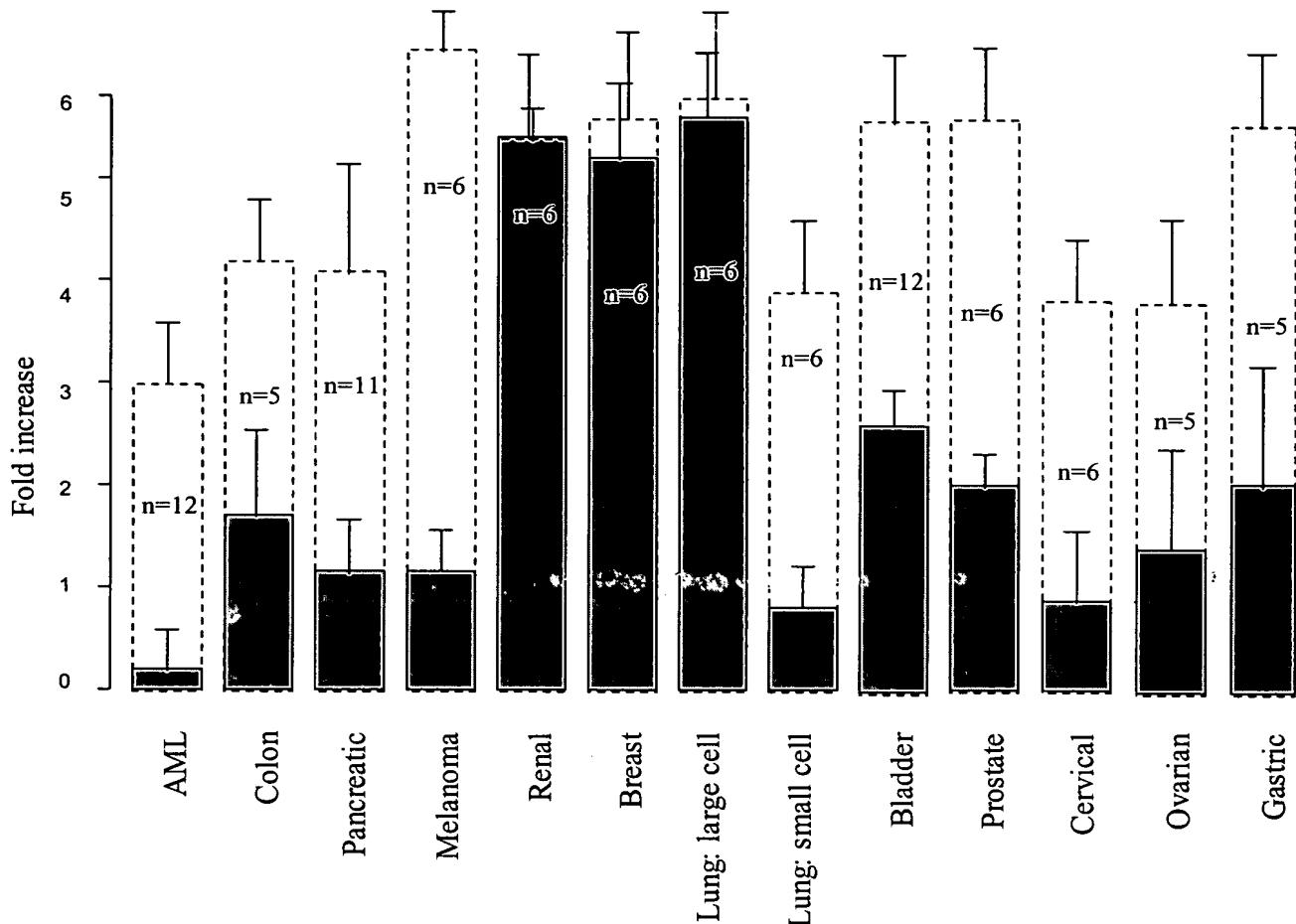


Figure 10



HOXB genes inactivated	HOXB4	HOXA5	HOXD4	*	*	*	*	HOXA3	*	*	*	HOXA1	HOXA11
	HOXB8	HOXA13	HOXD13					HOXA4				HOXA3	HOXA13
	HOXA9	HOXB1						HOXA7				HOXA4	HOXB3
	*	HOXB2						HOXB9				HOXB9	HOXB8
		HOXB9						HOXB13				HOXD8	HOXB1
		HOXB13						HOXC6				HOXC6	
		HOXC4						HOXD4				HOXC10	
		HOXC6						HOXD8				HOXD9	
		HOXC8						HOXD13				HOXD10	
		HOXC10											
		HOXD3											
		HOXD13											

Figure 11

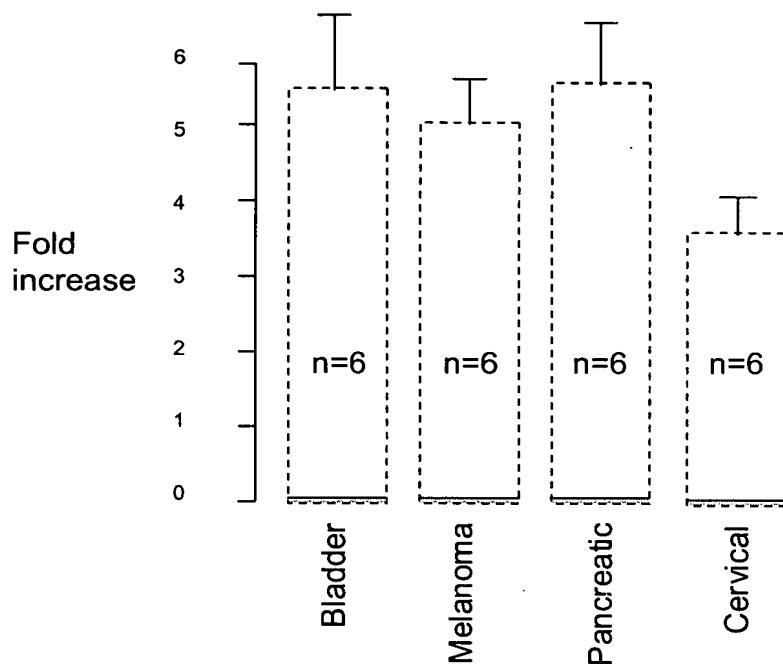


Figure 12

101538723

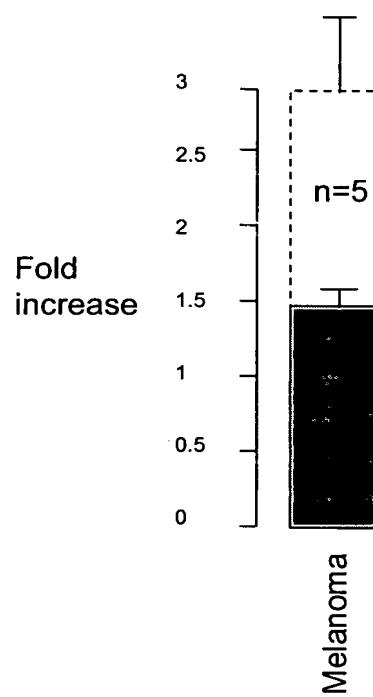


Figure 13

101538723

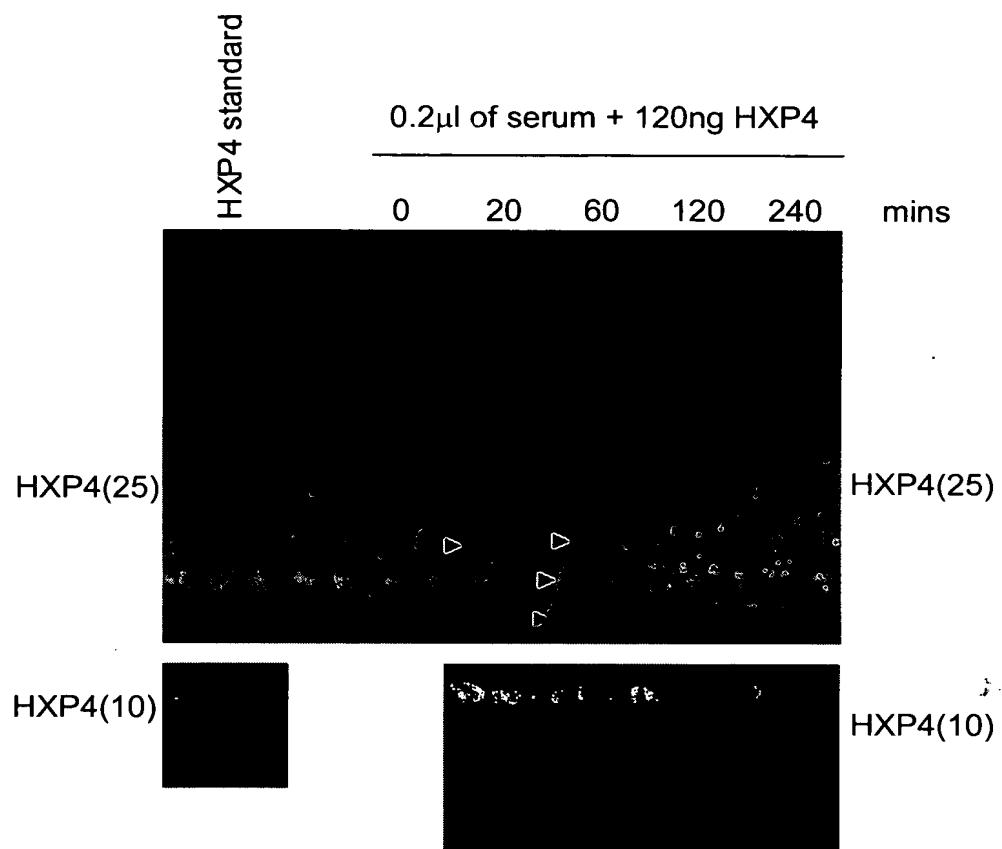


Figure 14

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.